

# SYSTEM AND METHOD FOR DYNAMICALLY ADJUSTING CELL SECTORIZATION

## ABSTRACT OF THE DISCLOSURE

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The invention discloses a system and method which quantifies the traffic or load on a particular sector of a mobile communication cell site. The traffic quantification or load metric is preferably used to compare the load of each of the cell site's sectors. When the difference between load among the sectors reaches a certain level, the preferred embodiment of the present invention causes the sectorization of the site to change in order to alleviate or equalize the traffic load of the sectors. The system of the present invention continues to monitor the cell site for traffic conditions and for changes in the load responsive to the sectorization changes made in order to dynamically respond to the changing traffic conditions on the cell site.

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